

012/WJBeres:ams
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China Lake, California

Navy Case No. 67592

VARIABLE MISSILE CONFIGURATION--STANDARD TELEMETRY SYSTEM

ABSTRACT OF THE DISCLOSURE

A standard telemetry system is utilized in conjunction with a variable configuration missile irrespective of the missile configuration test fired. The system includes
5 a common energy source, power supply, transmitter, commutator and signal conditioner. A portion of the telemetry signals produced by each missile configuration is, to an extent, unique to that particular configuration. The system utilizes a different programming connector cable for each
10 missile configuration. The connector cable interfaces telemetry signal producing missile components with the common signal conditioner. The signal conditioner includes all of the circuitry and signal processing components necessary to process all of the telemetry produced by all
15 of the missile configurations. The programming connector cable utilized in conjunction with the test firing of a particular missile configuration routes the telemetry signals produced by that configuration to predetermined input locations on the signal conditioner for appropriate
20 processing and transmission.